		170189
SEARCH REQUEST FO	RM Scientific and Tech ental format Please give suggestions	nical Information Center - EIC2800 or comments to Jeff Harrison, JEF-4B68, 272-2511.
Date 10/3/05 Serial #		
Your Name Milar		Examiner #
AU 200 Phor	ne 992-1838	Room 5430
In what format would you like you	ur results? Paper is the default.	PAPER DISK EMAIL
If submitting more than one sea	arch, please prioritize in orde	rof need. Need before
The EIC searcher normally will owith a searcher for an interactive	contact you before beginning e search, please notify one o	a prior art search. If you would like to sit f the searchers.
Where have you searched so Circle: USPT D	WPI EPO Abs	JPO Abs IBM TDB
Other:		
What relevant art have you for Information Disclosure Statem	ound so far? Please attach pnents.	pertinent citations or
Today of this scarch?	npatent Literature reign Patents novelty, motivation, utility, Please include the concept	Other or other specific facets defining the s, synonyms, keywords, acronyms, nything else that helps to describe the laims.
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ereker Louedon: B'l'IC-WICZROO, IUV-41168	ryll August	HTHYONIA
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	Makani DanillyW	WW/inlianul
earcher Prep/Rev Time:573	Other	

[File 2] INSPEC 1898-2005/Oct W5

Set	Items	Description
S1	3719	S BGA? ? OR BALL()GRID()ARRAY???
S2	377026	S NOIS??? OR CROSSTALK???? OR DISTORTION
S3	132	S S1 AND S2
S4	80704	S (THERMAL??? OR HEAT??? OR TEMPERATURE? ?)(3N)CONDUCT??????
S 5	5	S S3 AND S4
S 6	10	S S3 AND SEMICONDUCTOR?
s7	125	S S3 AND PACKAG????
S8	120	S S7 AND PY<=2004
S9	10	S S6 NOT S5

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- [File 2] INSPEC 1898-2005/Oct W4
- [File 34] SciSearch(R) Cited Ref Sci 1990-2005/Oct W5
- [File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec
- [File 94] JICST-EPlus 1985-2005/Aug W4
- [File 99] Wilson Appl. Sci & Tech Abs 1983-2005/Oct
- [File 344] Chinese Patents Abs Aug 1985-2005/May
- [File 347] JAPIO Nov 1976-2005/Jul(Updated 051102)
- [File 350] Derwent WPIX 1963-2005/UD, UM &UP=200570
- [File 371] French Patents 1961-2002/BOPI 200209
- [File 23] CSA Technology Research Database 1963-2005/Oct
- [File 95] TEME-Technology & Management 1989-2005/Sep W4
- [File 68] Solid State & Superconductivity Abstracts 1966-2005/Oct
- [File 60] ANTE: Abstracts in New Tech & Engineer 1966-2005/Oct
- [File 293] Engineered Materials Abstracts 1966-2005/Oct

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S44

845

S S25 NOT (S21 OR S22)

```
Set
       Items
               Description
               S (WRAP???? OR PACKET???? OR PACKAG????) (3N) (SUBSTRATE? ? OR MATERIAL? ? OR
      121638
S1
SUBSTANCE? ? OR STRATUM OR SUPPORT OR SEMICONDUCTOR? ?)
              S (DIELECTRIC? ? OR NONCONDUCT???? OR NON()CONDUCT????) (3N) (FILM??? OR COAT????
      176817
OR COVER ???? OR SHEET ???? OR LAMINA ???? OR LAYER ???)
       152987 S (ELECTRICAL??? OR CONDUCT?????) (3N) (LINE? ? OR PATH? ? OR TRACE? ? OR VIA? ? OR
S3
PATHWAY? ? OR PATH()WAY? ? OR CHANNEL???? OR PASSAGE? ?)
      447130 S (CONDUCT????? OR ELECTRICAL??)(3N)(FILM??? OR COAT???? OR COVER???? OR
SHEET???? OR LAMINA???? OR LAYER????)
       15190 S ISOLAT???(3N)(SLOT? ? OR APERTURE? ? OR CAVIT???? OR GAP? ? OR SPACE? ? OR
OPEN????? OR HOLE? ? OR PORT? ?)
      9233485 S SEGMENT????? OR PART? ? OR AREA? ? OR SECTOR????
56
        51573 S HIGH()FREQUENC????(3N)(NOISE? ? OR TRANSIENT? ? OR SIGNAL? ? OR SPIKE? ? OR
DISTURBANCE? ? OR CLATTER???? OR ACOUSTIC? ? OR AMPLITUDE? ? OR DISTORT????)
       547291 S (STRUCTUR??? OR MATERIAL??? OR PHYSICAL OR MECHANICAL) (3N) (INTEGRITY OR
SB
STIFFNESS OR STRENGTH OR RIGID???? OR FIRM??? OR NEWTON? ?()PER()(METER? ? OR METRE? ?))
       406017 S (THERMAL??? OR HEAT??? OR TEMPERATURE? ?)(3N)CONDUCT?????
       502675 S (VOLTAGE? ? OR POWER OR ENERGY OR GROUND) (3N) SOURCE? ?
S10
        99466 S IC=(H01L-023/495 OR H01L-023/52 OR H01L-021/44 OR H01L-021/48 OR H01L-021/50 OR
H01L-023/02 OR H01L-023/04 OR H01L-023/10 OR H01L-023/12 OR H01L-023/48)
        31204 S MC=(U11-D03B OR U11-D01A3 OR U11-D01A4 OR U11-D03B2 OR U11-D01A5 OR U11-D03A)
S12
        19504 S BGA? ? OR BALL()GRID()ARRAY? ? OR FBGA? ? OR FINE()PITCH()BALL()GRID()ARRAY? ?
OR EFBGA? ? OR EXTRA()FINE()PITCH()BALL()GRID()ARRAY? ?
                S SEGMENT????(3N)(VOLTAGE()PLANE??)
S14
            1
               S S1 AND S13 AND S2 AND S3 AND S4 AND S5
S15
               S S1 AND S13 AND S7 AND S8 AND S9
S16
               S S1 AND S13 AND S7
S17
           18
                S S17 AND S8
S18
               S S17 AND S9
            0
S19
S20
            0
               S S17 AND S5
S21
            8
               S S17 AND S11
               S S17 AND S12
S22
S23
           23
               S S1 AND S13 AND S2 AND S3
                S S23 AND S7
S24
            0
S25
            1
                S S23 AND S8
               S S23 AND S9
S26
            3
S27
           17
               S S23 AND S11
S28
           14
                S S23 AND S12
               S S27 AND S5
S29
            0
S30
               S S27 AND S6
                S S28 AND S6
S31
            3
S32
           15
                S S13 AND S1 AND S10
               S S32 AND S5
S33
            0
S34
                S S32 AND S11
                S S32 AND S12
S35
          100
               S S1 AND S13 AND S8
S36
S37
                S S36 AND S7
                S S36 AND S9
            3
S38
S39
           36
                S S36 AND S11
           22
               S S39 AND S12
S40
                S S40 AND S10
S41
            O
                S S40 AND S2
S42
               S S40 AND S5
S43
            0
                S S22 NOT S21
```

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S46	3	S S26 NOT (S21 OR S22 OR S25)
S47	1	S S30 NOT (S21 OR S22 OR S25 OR S26)
S48	2	S S31 NOT (S21 OR S22 OR S25 OR S26 OR S30)
S49	6	S S34 NOT (S21 OR S22 OR S25 OR S26 OR S30 OR S31)
S50	2	S S35 NOT (S21 OR S22 OR S25 OR S26 OR S30 OR S31 OR S34)
S51	3	S S38 NOT (S21 OR S22 OR S25 OR S26 OR S30 OR S31 OR S34 OR S35)
S52	1	S S42 NOT (S21 OR S22 OR S25 OR S26 OR S30 OR S31 OR S34 OR S35 OR S38)

[File 342] Derwent Patents Citation Indx 1978-05/200569

s pn=**us** 6268650

S1 1 S PN=US 6268650

map pn/ct=

SearchSave "SC117" stored
1 Select Statement, 1 Search Term(s)
SearchSave SC117

1 SearchSave(s), 1 Search Term(s)

map pn

SearchSave "SC118" stored
3 Select Statements, 22 Search Term(s)
SearchSave SC118

1 SearchSave(s), 22 Search Term(s)

[File 344] Chinese Patents Abs Aug 1985-2005/May [File 347] JAPIO Nov 1976-2005/Jul(Updated 051102) [File 350] Derwent WPIX 1963-2005/UD,UM &UP=200570

Set Items Description S1 8 S1:S2 11/4/2005 11:40:25 AM

[File 342] Derwent Patents Citation Indx 1978-05/200569

pn=us 6300165

S1 1 S PN=US 6300165

map pn/ct=

SearchSave "SC119" stored
1 Select Statement, 7 Search Term(s)
SearchSave SC119

1 SearchSave(s), 7 Search Term(s)

map pn

SearchSave "SC120" stored
6 Select Statements, 57 Search Term(s)
SearchSave SC120

1 SearchSave(s), 57 Search Term(s)

Set	Items	Description	•
S1	22	S1:S5 FROM 344, 347, 350	
S2	7	S S1 AND (BGA? ? OR BALL()GRID()ARRAY)

11/4/2005 1:51:57 PM

[File 342] Derwent Patents Citation Indx 1978-05/200569

s pn=**us** 5895967

S1 1 S PN=US 5895967

map pn/ct=

SearchSave "SC121" stored
1 Select Statement, 1 Search Term(s)
SearchSave SC121

1 SearchSave(s), 1 Search Term(s)

map pn

Processing MAP

SearchSave "SC122" stored
7 Select Statements, 68 Search Term(s)
SearchSave SC122

1 SearchSave(s), 68 Search Term(s)

[File 344] Chinese Patents Abs Aug 1985-2005/May [File 347] JAPIO Nov 1976-2005/Jul(Updated 051102) [File 350] Derwent WPIX 1963-2005/UD,UM &UP=200570

Description Set Items S1 S1:S6 FROM 344, 347, 350 S S1 AND (BGA? ? OR BALL()GRID()ARRAY? ?) S2 16 1 S S2 AND DIELECTRIC??? S3 S S2 AND PACKAG???? S4 14 S S4 AND SLOT? ? S5 S S4 AND (STIFFNESS OR THERMAL()CONDUCTIVI??????? S6 OR NOISE? ?)

[File 342] Derwent Patents Citation Indx 1978-05/200569

s pn=us 6534861

S1 1 S PN=US 6534861

map pn/ct=

SearchSave "SC123" stored
1 Select Statement, 7 Search Term(s)
SearchSave SC123

1 SearchSave(s), 7 Search Term(s)

map pn

SearchSave "SC124" stored
6 Select Statements, 57 Search Term(s)
SearchSave SC124

1 SearchSave(s), 57 Search Term(s)

Set	Items	Description	
S1	22	S1:S5	
S2	7	S S1 AND (BGA? ? OR BALL()GRID()ARRAY? ?)

[File 342] Derwent Patents Citation Indx 1978-05/200569

s pn=**us** 6268650

S1 1 S PN=US 6268650

map pn/ct=

SearchSave "SC117" stored

1 Select Statement, 1 Search Term(s)
SearchSave SC117

1 SearchSave(s), 1 Search Term(s)

map pn

SearchSave "SC118" stored
3 Select Statements, 22 Search Term(s)
SearchSave SC118

1 SearchSave(s), 22 Search Term(s)

[File 344] Chinese Patents Abs Aug 1985-2005/May [File 347] JAPIO Nov 1976-2005/Jul(Updated 051102) [File 350] Derwent WPIX 1963-2005/UD,UM &UP=200570

Set Items Description S1 8 S1:S2 11/4/2005 11:40:25 AM

[File 342] Derwent Patents Citation Indx 1978-05/200569

pn=**us** 6300165

S1 1 S PN=US 6300165

map pn/ct=

SearchSave "SC119" stored
1 Select Statement, 7 Search Term(s)
SearchSave SC119

1 SearchSave(s), 7 Search Term(s)

map pn

SearchSave "SC120" stored
6 Select Statements, 57 Search Term(s)
SearchSave SC120

1 SearchSave(s), 57 Search Term(s)

Set	Items	Description
S1	22	S1:S5 FROM 344, 347, 350
S2	7	S S1 AND (BGA? ? OR BALL()GRID()ARRAY)

11/4/2005 1:51:57 PM

[File 342] Derwent Patents Citation Indx 1978-05/200569

s pn=**us** 5895967

S1 1 S.PN=US 5895967

map pn/ct=

SearchSave "SC121" stored
1 Select Statement, 1 Search Term(s)
SearchSave SC121

1 SearchSave(s), 1 Search Term(s)

map pn

Processing MAP

SearchSave "SC122" stored
7 Select Statements, 68 Search Term(s)
SearchSave SC122

1 SearchSave(s), 68 Search Term(s)

[File 344] Chinese Patents Abs Aug 1985-2005/May

[File 347] JAPIO Nov 1976-2005/Jul(Updated 051102)

[File 350] Derwent WPIX 1963-2005/UD,UM &UP=200570

Set	Items	Description
S1	35	S1:S6 FROM 344, 347, 350
S2	16	S S1 AND (BGA? ? OR BALL()GRID()ARRAY? ?)
S3	1	S S2 AND DIELECTRIC???
S4	14	S S2 AND PACKAG????
S 5	0	S S4 AND SLOT? ?
·S6	4	S S4 AND (STIFFNESS OR THERMAL()CONDUCTIVI???????
OR NO	DISE? ?)	

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[File 342] Derwent Patents Citation Indx 1978-05/200569

s pn=**us** 6534861

S1 1 S PN=US 6534861

map pn/ct=

SearchSave "SC123" stored
1 Select Statement, 7 Search Term(s)
SearchSave SC123

1 SearchSave(s), 7 Search Term(s)

map pn

SearchSave "SC124" stored
6 Select Statements, 57 Search Term(s)
SearchSave SC124

1 SearchSave(s), 57 Search Term(s)

Set	Items	Description	
S1	22	S1:S5	
S2	7	S S1 AND (BGA? ? OR BALL()GRID()ARRAY? ?)